

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |  |  |
|--|--|--|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | ATTORNEY'S DOCKET NUMBER<br>63500A<br>U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><div style="font-size: 2em; font-weight: bold; text-align: center;">10/590750</div> |
| INTERNATIONAL APPLICATION NO.<br>PCT/US2005/008945   | INTERNATIONAL FILING DATE<br>18 March 2005 | PRIORITY DATE CLAIMED  |
| TITLE OF INVENTION<br>FILM LAYERS MADE FROM POLYMER FORMULATIONS   |  |  |
| APPLICANT(S) FOR DO/EO/US<br>Mridula (Babli) Kapur, David A. Eversdyk, Wenbin Liang, Kenneth Laverdure, and David T. Gillespie   |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |  |
| <b>Items 11 to 20 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> </ol>  |  |  |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |              |   |            |                                       |                     |
|--|--------------|---|------------|---------------------------------------|---------------------|
| U.S. APPLICATION NO. <b>10/590750</b>  |              | INTERNATIONAL APPLICATION NO.<br>PCT/US2005/008945                            |            | ATTORNEY'S DOCKET NUMBER<br>63500A WO |                     |
| 20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard; Certificate of Express Mailing; Cover Letter  |              |   |            |                                       |                     |
| The following fees have been submitted   |              |   |            | <b>CALCULATIONS</b>                   | <b>PTO USE ONLY</b> |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300   |              |   |            | \$ 300.00                             |                     |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0<br>All other situations ..... \$200  |              |   |            | \$ 200.00                             |                     |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100<br>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400<br>All other situations ..... \$500 |              |   |            | \$ 500.00                             |                     |
| <b>TOTAL OF 21, 22 and 23 =</b>  |              |   |            | <b>\$ 1,000.00</b>                    |                     |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |            |                                       |                     |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |                                       |                     |
| 32 - 100 =   | /50 =        |   | x \$250.00 | \$                                    |                     |
| Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |              |   |            | \$                                    |                     |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       |                                       |                     |
| Total claims   | 15 - 20 =    |   | x          |                                       |                     |
| Independent claims   | 3 - 3 =      |   | x          |                                       |                     |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | +          |                                       |                     |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | <b>\$ 1,000.00</b>                    |                     |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |              |   |            |                                       |                     |
| <b>SUBTOTAL =</b>  |              |   |            | <b>\$ 1,000.00</b>                    |                     |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).  |              |   |            | \$                                    |                     |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | <b>\$ 1,000.00</b>                    |                     |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |              |   |            | \$                                    |                     |
|  |              |   |            | \$                                    |                     |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | <b>\$ 1,000.00</b>                    |                     |
|  |              |   |            | Amount to be refunded:                | \$                  |
|  |              |   |            | Amount to be charged                  | \$                  |

10/590750

IAP5 Rec'd PCT/PTO 25 AUG 2006

PTO-1390 (Rev. 07-2005)

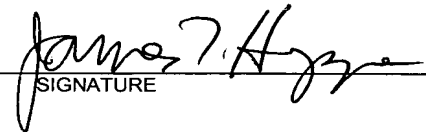
Approved for use through 03/31/2007. OMB 0651-0021  
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 04-1512 in the amount of \$ 1,000.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit  
Account No. 04-1512. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information  
should not be included on this form.** Provide credit card information and authorization on PTO-2038

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be  
filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

  
SIGNATURE

James T. Hoppe  
NAME

CUSTOMER NUMBER: 00109

35,899  
REGISTRATION NUMBER

10/590750

IAP5 Rec'd PCT/PTO 25 AUG 2006  
Attorney Docket No.: 63500A

Application No. (if known): PCT/US2005/008945

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on August 25, 2006  
Date

  
Signature

Stephanie Muma

Typed or printed name of person signing Certificate

Registration Number, if applicable

979-238-4311  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Oath or declaration of the inventor(s) (2 pages)  
Transmittal Letter to the United States Designated-Elected Office (3 pages)  
Cover Letter to the United States Designated-Elected Office (1 page)  
Certificate of Express Mailing (1 page)  
Postcard (1 page)

10/590750

**THIS APPLICATION IS THE ENTRY INTO THE  
NATIONAL PHASE UNDER 35 U.S.C. 371**

**Applicant(s):** Mridula (Babli) Kapur, David A. Eversdyk, Wenbin Liang, Kenneth Laverdure, and David T. Gillespie

**International Application No.:** PCT/US2005/008945

**International Filing Date:** 18 March 2005 (18.03.2005)

**Priority Date Claimed:** 19 March 2004 (19.03.2004)

**Title:** FILM LAYERS MADE FROM POLYMER FORMULATIONS

**Attorney's Docket No.:** 63500A

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 793091495 US, on the date shown below in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 25, 2006 Signature: Stephanie Muma (Stephanie Muma)